



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Martin John TROTTER

Docket No.: UK998092

Serial No.: 09/338,045

Group Art Unit: 2165

Filing Date: June 22, 1999

Examiner: Pardo, Thuy N.

For: MEMORY MANAGEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBMISSION OF REPLACEMENT FORMAL DRAWINGS

Sir:

In response to the Notices of Draftsperson's Patent Drawing Review dated August 10, 1999 and March 2, 2004 (copies of which are attached), and further to the requirements of the Notice of Allowability dated January 13, 2005, submitted herewith are five (5) sheets of replacement formal drawings for Figures 1-5 of the above-identified patent application. Please substitute the attached set of formal drawings for the drawings that were originally filed with the application on June 22, 1999.

Acknowledgment of receipt is respectfully requested.

Respectfully submitted,

Frederick E. Cooperrider
Reg. No. 36,769

Date: 2/10/05

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Form PTO 948 (Rev. 8-98)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 338NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 6/22/99 are:

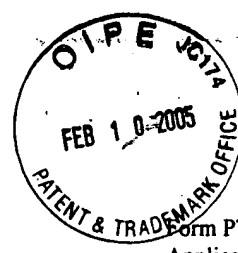
- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.
1. DRAWINGS. 37 CFR 1.84(e): Acceptable categories of drawings:
 Blackprint, Color, or white line art in any size or measure.
 Color drawings are not acceptable until petition is granted.
Fig(s) _____
 Pen and ink black prints permitted. Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(f)
 1 full-tone set is required. Fig(s) _____
 Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____
 Poor quality (half-tone). Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(g)
 Other such flexible, strong, white, and durable, and/or equivalent material. Paper must be uniform, thick and rigid.
Fig(s) _____
 Drawing paper, such as Bristol board, must be uniform, thick and rigid.
Fig(s) _____
 Color matching marks not accepted. Fig(s) _____
Mylar, vellum paper is not acceptable (too thin).
Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(h): Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawings must be the same size.
Sheet(s) _____
Drawings sheets not an acceptable size. Fig(s) _____
5. MARGINS. 37 CFR 1.84(i): Acceptable margins:
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
SIZE: 8 1/2 x 11
Margins not acceptable. Fig(s) _____
Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____
6. VIEWS. 37 CFR 1.84(k)
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(k)(3)
 Brackets needed to show figure as one entity.
Fig(s) _____
 Views not labeled separately or properly.
Fig(s) _____
 Enlarged view not labeled separately or properly.
Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (k)(3)
 Hatching not indicated for sectional portions of an object.
Fig(s) _____
 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____
 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(l):
 Drawings do not appear on a horizontal, left-to-right fashion either vertically or horizontally so that the top becomes the right side, except in graphic. Fig(s) _____
 Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
Fig(s) _____
 9. SCALE. 37 CFR 1.84(m): Bi-poly 2 per cent. Fig(s) _____
 Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
Fig(s) _____
 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(n)
 Lines, numbers, and reference characters are plain and legible.
Fig(s) _____
 Figure legends are poor. Fig(s) _____
 Numbers and reference characters not oriented in the proper direction or orientation. Fig(s) _____
Fig(s) _____
 English alphabet not used. 37 CFR 1.84(p)(2)
Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Fig(s) _____
 11. LEAD LINES. 37 CFR 1.84(q)
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____
 12. NUMEROING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)
 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
 13. NUMBERING OF VIEWS. 37 CFR 1.84(e)
 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
 14. CORRECTIONS. 37 CFR 1.84(w)
 Corrections not made from prior PTO-948 dated _____
 15. DESIGN DRAWINGS. 37 CFR 1.152
 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast. Fig(s) _____

COMMENTS

REVIEWER B Gray DATE 8-10-99 TELEPHONE NO. _____ATTACHMENT TO PAPER NO. 07

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Form PTO-948 (Rev. 06/03)
Application No. 09/338045

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 6/22/99 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

- Color drawings are not acceptable until petition is granted. Fig(s) _____
 Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)

- One (1) full-tone set is required. Fig(s) _____
 Photographs may not be mounted. 37 CFR 1.84(e)
 Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____
 Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)

- Paper not flexible, strong, white, and durable. Fig(s) _____
 Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

- 21.0 cm by 29.7 cm (DIN size A4) or
 21.6 cm by 27.9 cm (8 1/2x 11 inches)
 All drawing sheets not the same size. Sheet(s) _____
 Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

- Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 Margins not acceptable. Fig(s) 2-5
 Top (T) Left (L)
 Right (R) Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

- Views not labeled separately or properly. Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
 Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

- Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)

- Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

- Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 2-4-5

11. SHADING. 37 CFR 1.84(m)

- Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

- Numbers and reference characters not plain and legible. Fig(s) _____
 Figure legends are poor. Fig(s) _____
 Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
 English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
 Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

- Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS.

- 37 CFR 1.84(t)
 Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

- Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. DESIGN DRAWINGS. 37 CFR 1.152

- Surface shading shown not appropriate. Fig(s) _____
 Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS:

Reviewer: R.D.

If you have questions, call (703) 305-8404.

Date 3/2/04
Attachment to Paper No. 14

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